

Fresh Blood for Fresh Water Program 2015

Tuesday 14.04.

- 16:00-19:00 Early Registration
19:00 Common dinner in town (not incl.)

Wednesday 15.04.

- 08:30-11:00 **Registration** (name badges, mount posters, upload presentations...)
- 11:00-11:30 **Conference Opening & Welcome** by Martin Hahn (deputy head of Research Institute Mondsee) and Karl Feurhuber (mayor of Mondsee)
- 11:30-12:00 **Scientific Opening Lecture**
Michaela Salcher: Some like it hot while others are singing in the rain – how weather, climate and seasons affect planktonic bacteria
- 12:00-13:00 **Lunch at the Institute** served by the FW Ried am Wolfgangsee
- 13:00-14:20 **Oral presentations 1**
- 13:00-13:15 **Andras Abonyi**
Does the best ecosystem functioning occur under high phytoplankton richness in river environment as well?
- 13:15-13:30 **Sara Hammerstein**
Testing techniques for establishing diversity gradients within natural phytoplankton communities
- 13:30-13:45 **Géza B. Selmeczy**
Simulating an extreme weather event in large mesocosms changes phytoplankton community dynamics
- 13:45-14:05 **Monika Poxleitner & Patrick Lorenz**
Effects of increased atmospheric nitrogen load on phytoplankton and zooplankton in a primary phosphorus limited lake
- 14:05-14:20 **Omneya Ahmed Osman**
Antagonistic interaction between heterotrophic bacteria and cyanobacteria
- 14:20-15:00 **Coffee break**
- 15:00-16:30 **Oral presentations 2**
- 15:00-15:15 **Maximilian Lau**
Aquatic Redox Processes: Drivers on small scales
- 15:15-15:30 **Sonia Herrero Ortega**
Effect of beaver dams in mercury methylation and the role of DOM quality
- 15:30-15:45 **Anna Siczko**
CO₂ evasion from river-floodplain system

- 15:45-16:00 **Barbara Behounek**
Optics and biodegradability of fluvial DOM across a catchment landuse gradient and as influenced by mixing of waters at confluences
- 16:00-16:15 **Matthias Rothe**
The proof of the hidden - Evaluating the relevance of vivianite for the phosphorus retention in recent freshwater sediments
- 16:15-16:30 **Nuría Catalán**
Potential of collaborative open experiments between young scientists: the example of the DOMIPEX project
- 16:30-17:00 **Break**
- 17:00-19:00 **Poster presentations** with beer & buffet served by the FW Ried am Wolfgangsee
- Evening **Science Slam & Social Networking** at the Institute

Thursday 16.04.

- 09:00-09:30 **Scientific Keynote Lecture**
Enrique Navarro: The ECOTOXICOLOGIST – an unexpected journey
- 09:30-10:30 **Oral presentations 3**
- 09:30-09:45 **Dominik Bernolle**
Temporal and spatial comparison of benthic Danube fish species in the area of hydropower plant Freudenu
- 09:45-10:00 **Nadine Ebm**
Gastro-intestinal analysis of Danubian fish in the area of hydropower plant Freudenu
- 10:00-10:15 **Zuzana Majtanova**
No evidence for increased rate of chromosomal evolution in asexuals: karyotype stability in diploids and triploids of the clonal hybrid fish (Cobitis, Cypriniformes, Teleostei)
- 10:15-10:30 **Bettina Thalinger**
Identification of Central European fish species via multiplex PCR
- 10:30-11:00 **Coffee break**
- 11:00-12:30 **Oral presentations 4**
- 11:00-11:15 **Julia Wrede**
Analysis of influences of climate variations on running waters in low mountain range ((focus National Park Kellerwald Edersee (Hessen, Germany))
- 11:15-11:30 **Dunja Lukić**
Effect of different types of salinities on the hatching and survival of the living fossil *Triops cancriformis*
- 11:30-11:45 **Lukasz Wejnerowski**
The resistance of thick and thin morphotypes of *Aphanizomenon gracile* to *Daphnia* grazing

- 11:45-12:00 **Adam Cieplinski**
Cryptic diversity of rotifers: case study *Keratella cochlearis*
- 12:00-12:15 **Anna Bednarska**
Temperature-dependent effect of filamentous cyanobacteria on reproduction-related traits of *Daphnia*
- 12:15-12:30 **Simone Peter**
Finding the red line
- 12:30-14:00 **Lunch break** in town (not incl.)
- 14:00-17:30 **Workshops**
Victoria Kremser: Phytoplankton analysis using FlowCAM (10 persons only)
Mia Bengtsson & Nuría Catalán: Life-work balance in science
Katharina Steinmüller: Proposal writing, funding possibilities (e.g. Marie Curie)
Hannes Peter & Georg Niedrist: Short introduction to R (bring laptop, install R)
Harald Ficker: Visit the fish farm in Scharfling
- 14:00-15:30 Workshop session I
- 15:30-16:00 Coffee break
- 16:00-17:30 Workshop session II
- 17:30-17:45 **Maria Leichtfried (SIL Austria):** Limnology history in Austria
- Freetime
- 19:00 **Dinner at Schlosshotel Mondsee** (Gewölbe)
- ~21:00 **Live music** by “**Evergreen**” in Schlossbräu

Friday 17.04.

- 09:30-10:00 **Scientific Closing Lecture**
Martin Schletterer: Hydropower and ecology: Status and perspectives
- 10:00-11:45 **Oral presentations 5**
- 10:00-10:15 **Magdalena Mayr**
Patterns in the bacterioplankton community composition along environmental gradients in a river-floodplain (Austria)
- 10:15-10:30 **Vojtech Kasalicky**
Diversity within the bacterial genus *Limnohabitans*
- 10:30-10:45 **Pavla Urbánková**
Heterotrophic bacteria associated with the toxic bloom-forming cyanobacteria *Planktothrix*
- 10:45-11:00 **Matthias Hötzing**
Microdiversity in *Polynucleobacter* bacteria
- 11:00-11:15 **Siegfried Aigner**
Ecophysiological characterization and metabolic stress response of the red alga *Batrachospermum turfosum* Bory de St.Vincent (Rhodophyta, Florideophyceae) under enhanced UV-A and UV-AB exposure

- 11:15-11:30 **Beáta Szabó**
Benthic diatom composition of Lake Stechlin (Germany)
- 11:30-11:45 **Andreja Kust**
An in-detail morphological, phylogenetic and ecophysiological analysis of four benthic *Anabaena* strains (Nostocales, Cyanobacteria) confirms deep heterogeneity within the genus
- 11:45-12:15 **Break and Evaluation**
- 12:15-13:00 **Award Ceremony & Outlook FBFW 2017**
Closing by Rainer Kurmayer (head of Research Institute Mondsee)